

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
14167

In Re Application Of: **Hiroaki Matsuyama, et al.**

Serial No.
09/741,330

Filing Date
December 20, 2000

Examiner
P.R. Akkapeddi

Group Art Unit
2871

Title: **ORIENTATION DIVISION TYPE LIQUID CRYSTAL DISPLAY, FABRICATION METHOD THEREOF AND IMAGE DISPLAY METHOD**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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2871

**ORIENTATION DIVISION TYPE LIQUID CRYSTAL DISPLAY, FABRICATION METHOD
THEREOF AND IMAGE DISPLAY METHOD**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below.
- ☐ Charge the amount of _____
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I certify that this document and fee is being deposited on 12/16/2003 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person

Anthony N. Fresco

Typed or Printed Name of Person

*This certificate may only be used if paying by deposit account.

Anthony N. Fresco
Signature

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Dated: December 16, 2003



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hiroaki Matsuyama, et al. **Examiner:** P.R. Akkapeddi
Serial No.: 09/741,330 **Art Unit:** 2871
Filed: December 20, 2000 **Docket:** 14167
For: ORIENTATION DIVISION TYPE **Dated:** December 16, 2003
LIQUID CRYSTAL DISPLAY,
FABRICATION METHOD THEREOF
AND IMAGE DISPLAY METHOD

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

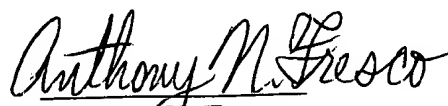
In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. European Patent Application No. EP 0 884 626A2, dated December 16, 1998; and
2. Japanese Laid-Open Patent Application No. Hei 4-320212 published on November 11, 1992, together with an English language Abstract.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, Virginia 22313-1450 on December 16, 2003.

Dated: December 16, 2003


Anthony N. Fresco

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Reference 1 was cited in an Official Action dated September 16, 2003, received from the Taiwanese Patent Office. A copy of the Taiwanese Office Action together with a Japanese translation thereof are enclosed. Applicants are submitting a copy of the above-cited Reference 1, along with a translation of the Examiner's comments regarding Reference 1 from the Japanese Office Action. The relevance of Reference 1 is described in the Official Action.

In compliance with the requirements of 37 C.F.R. §1.98(a)(3), as a concise statement of relevance, as it is presently understood by the individual designated in 35 U.S.C. §1.56 (c) most knowledgeable about the content of the information, the undersigned submits a translation of portions of an official action by a foreign examiner in which the reference was cited. The relevance to the pending U.S. patent application is that Reference 1 was cited in a foreign patent application on the same subject matter. However, no independent analysis of the reference, the accuracy of the statement of the foreign examiner or the claims of the foreign application under the laws of that country or the United States relative to the subject matter claimed in the present application has been made; the present understanding of the contents thereof by the undersigned being based on the translation of the foreign examiner's comments submitted herewith.

The relevance of Reference 2 is that it discloses a liquid crystal display device in which, as shown in FIG. 1, protruding regions made of an interlayer insulating film 8 are provided along signal bus lines 4 and gate bus lines 3 such that each top of the protruding regions is higher than the surface of a pixel electrode 1.

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In this embodiment, a groove 9 is provided between a pixel electrode 1 and the protruding regions so as to prevent the occurrence of reverse tilt domain.

Inasmuch as this Information Disclosure Statement is being submitted in conjunction with a request for continued examination (RCE) under 37 C.F.R. §1.114, and therefore in accordance with the schedule set out in 37 C.F.R. §1.97 (b)(4), neither a statement nor a fee are enclosed.

Respectfully submitted,

A handwritten signature in black ink that reads "Anthony N. Fresco". The signature is fluid and cursive, with the first name being the most prominent.

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Registration No. 45,784

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ANF:yd

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[illegible]

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	EP 0 884 626A2	12/16/1998	EPO				
	4-320212	11/11/1992	Japan				

[illegible]

DATE CONSIDERED

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